

Date: Tue, 25 May 93 20:09:58 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #641
To: Info-Hams

Info-Hams Digest Tue, 25 May 93 Volume 93 : Issue 641

Today's Topics:

 [ANS] Amateur Radio Newsline #73 (5/21/93)
 Aluminum siding bad?
 Antennas on Ice
 Buying radios without a license
 Colorado 14er Radio Event Announcement
 Copyright Violation (2 msgs)
 DXers in Italy
 HamCom
 Quagi antenna polarization question
 Radio Shack 70cm HT?
 VHF/UHF antennas (2 msgs)
 Want 5MHZ 100W Transceivers for use in Philippines
 weatherfax,computers,printer,software

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 25 May 93 23:32:07 GMT
From: news-mail-gateway@ucsd.edu
Subject: [ANS] Amateur Radio Newsline #73 (5/21/93)
To: info-hams@ucsd.edu

Is this going to be a "regular" weekly electronic version
to the info-hams forum? It sure would be welcomed by those
of use that can't hear it on the air.

jd--k1zat

>The following is the message that was responded to.

>From: usc!cs.utexas.edu!asuvax!ukma!ncc.uky.edu!acourt@network.UCSD.EDU

>Posted: May 22 14:54

>Cc:

>Subject: Amateur Radio Newsline #73 (5/21/93)

>

>NEWSLINE RADIO - CBBS EDITION #73 - POSTED 05/21/93

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Date: Tue, 25 May 1993 22:54:58 GMT

From: usc!howland.reston.ans.net!darwin.sura.net!news.Vanderbilt.Edu!

news@network.UCSD.EDU

Subject: Aluminum siding bad?

To: info-hams@ucsd.edu

Thanks for the input. I am primarily active on VHF and up, though I do some HF just to work out my DSP-2232. As has been pointed out to me by someone else, gutters are probably an even greater threat in terms of TVI. I suspect that it boils down to having a good job done. I am not that big a BCB DXer, but the shortage of good local radio stations causes me to listen to skip stations at night.

Alan

Alan P. Biddle, Ph.D. PACKET WA4SCA @ W4HHY.TN.USA.NA

Computers of Arisia

1778 Pleasant Hill Road INTERNET WA4SCA@AMSAT.ORG

Franklin, TN 37064

BIDDLEAP@CTRVAX.VANDERBILT.EDU

(615) 776-2056

(615) 330-2569

CIS

73260,1450

Date: 25 May 93 14:29:35 EDT

From: usc!howland.reston.ans.net!spool.mu.edu!sgiblab!wetware!spunky.RedBrick.COM!
psinntp!psinntp!arrrl.org@network.UCSD.EDU

Subject: Antennas on Ice

To: info-hams@ucsd.edu

In rec.radio.amateur.misc, M.Willis@ee.surrey.ac.uk (Mike Willis) writes:
[deleted]

Only on Usenet could a discussion about antennas evolve to a description
of exploding vegetables. No wonder I find this medium so addictive!

Jon Bloom, KE3Z | jbbloom@arrrl.org
American Radio Relay League |
225 Main St., Newington CT 06111 |

Date: 25 May 93 12:22 CDT

From: usc!sol.ctr.columbia.edu!news.kei.com!news.oc.com!utacfd.uta.edu!trsvax!
trsvax!rpo@network.UCSD.EDU

Subject: Buying radios without a license

To: info-hams@ucsd.edu

One other thing I did not originally post...a few years ago,
one of the major ham outlets was sued for refusing to sell to
someone who could not produce a license. They lost...

Paul Opitz, N5TPQ

Radio Shack Publications

Date: 26 May 1993 00:52:10 GMT

From: sdd.hp.com!col.hp.com!bobw@network.UCSD.EDU

Subject: Colorado 14er Radio Event Announcement

To: info-hams@ucsd.edu

COLORADO 14ER RADIO EVENT ANNOUNCEMENT

The 1993 Colorado 14er Radio Event will be held Sunday, August 29th. During the event, a group of amateur radio operators will operate portable from the summits of various Colorado 14000 foot mountains. The operating times will be generally from 9 AM to 12 Noon local time. During last year's 14er Event, over 20 summits were on the air and between 150 and 200 different stations were heard that day.

Radio amateurs are encouraged to work as many of the mountaintop stations as possible. However, this is NOT A CONTEST, no points are awarded, no scores recorded. A special event QSL card can be obtained by QSLing to the mountaintop station's home QTH (please include a Self-Addressed Stamped Envelope). To reduce QRM, PLEASE DO NOT USE HIGH POWER (more than 30 Watts) and DO NOT CALL FOR 14er STATIONS UNLESS YOU HEAR THEM.

Radio operators with high altitude hiking experience who wish to participate should contact Bob, KB0CY at (719) 488-0859 or 18070 Sunburst Drive, Monument CO 80132 or via Internet bobw@col.hp.com. To avoid having multiple stations on the same peak, radio amateurs that want to participate must coordinate with KB0CY.

Frequencies used during the event:

146.43 MHz	Longs Peak
146.46	San Juan Range (Handies, Redcloud, ...)
146.49	Bierstadt, Grays and Torreys
146.55	Pikes Peak (Coordinating Frequency)
146.58	Mt. Evans
147.42	Sangre de Cristo Range (Humboldt, ...)
147.45	Misquito Range (Quandary, Lincoln, ...)
147.48	Elk Range and North Sawatch Range (Massive, Elbert, Castle, ...)
147.51	Pikes Peak (QSOs)
147.54	South Sawatch Range (Collegiates, ...)
147.57	Reserved for Mountaintop Stations Only
223.5	Primary 222 MHz frequency
446.000	Primary 70 cm frequency
446.025	Alternate 70 cm frequency
446.050	Alternate 70 cm frequency

Other bands/modes: standard calling frequencies

Date: 25 May 93 14:31:26 EDT

From: usc!howland.reston.ans.net!spool.mu.edu!sgiblab!wetware!spunky.RedBrick.COM!

psinntp!psinntp!arrl.org@network.UCSD.EDU
Subject: Copyright Violation
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, jangus@skyld.tele.com (Jeffrey D. Angus) writes:
[discussion of Callbook copyright issue deleted]

>And finally, why does it always seem that some hams seem to think that an
>Amateur Radio License exempts them from copyright laws? "But I need that
>(insert the type of information needed here) for my (list convenient excuse
>here)." Or, "It's just a (Schematic, or tune-up, specification sheet etc.)"

This behavior is hardly unique to hams. After seeing the rampant software piracy that exists, I long ago concluded that only the prospect of being caught keeps most people from holding up banks. Hams are no worse than nonhams when it comes to flouting copyright laws.

Jon Bloom, KE3Z | jbbloom@arrl.org
American Radio Relay League |
225 Main St., Newington CT 06111 |

Date: 25 May 1993 17:32:11 -0700
From: network.ucsd.edu!not-for-mail@network.UCSD.EDU
Subject: Copyright Violation
To: info-hams@ucsd.edu

In article <1510@arrl.org> root@arrl.org (Jon Bloom, KE3Z) writes:
>This behavior is hardly unique to hams. After seeing the rampant software
>piracy that exists, I long ago concluded that only the prospect of being
>caught keeps most people from holding up banks. Hams are no worse than
>nonhams when it comes to flouting copyright laws.

Actually, what this means is that the public, as a whole, is inclined to think that the copyright laws are wrong and should be changed.

People behave, as a mass, in the way that they think is right. If this is contrary to law, then it is the law that is out of step with society.

This doesn't mean, of course, that anyone who breaks a law automatically invalidates it. Nor does it mean that because some people are unable to obey reasonable laws that those laws are invalid. What it DOES mean is that when you have a large number of people, perhaps even a majority of the population disobeying a law, it IS time for that law to change.

Prohibition is a glaring example; there are other laws far more mundane.

It's clear to me that the American public doesn't believe that copyright should apply to so-called "intellectual property" in a lot of ways - particularly that of making one or two copies of computer disks to give to friends. They don't feel that it's really "wrong".

The existing copyright laws don't really reflect that attitude. I expect that, despite the efforts of software publishers to make the laws even more restrictive, people will continue to make copies for their friends. Someday the legislators will stop trying to enforce a morality that the majority of their non-corporate constituency regards as wrong and those laws will change, but until then, we've got a whole bunch of people breaking the law.

Luckily, the recent Court ruling that simple arrangements of tabular data (e.g, the phone book white pages) is without copyright protection frees a lot of the data that we'd like to use.

- Brian

Date: 26 May 93 02:47:52 GMT
From: news-mail-gateway@ucsd.edu
Subject: DXers in Italy
To: info-hams@ucsd.edu

I have a trip to Italy to join an international conference held in Perugia, 100km from Roma on 27June-3Jul.

If possible, I like to visit contest stations in Italy.

Is there any contesteer/DXer in Prugia, or near Roma ??

Or, any physist who attends the conference named "PANIC 93" ??

Please e-mail me.

Jun. Tanaka JH4RHF/KH2S
Lab. Nuclear Studies, Osaka Univ.
tanaka@oslins.kek.ac.jp

Date: 25 May 1993 16:43:02 -0500
From: usc!cs.utexas.edu!geraldo.cc.utexas.edu!emx.cc.utexas.edu!not-for-mail@network.UCSD.EDU
Subject: HamCom
To: info-hams@ucsd.edu

marcbg@feenix.metronet.com (Marc Grant) advertises:

>>HAM-COM 1993 BEGINS FRIDAY, JUNE 4 AND CONTINUES UNTIL SUNDAY, JUNE 7.

Yessir, folks, we Texans have the loooongest days. It's something to do with things expanding in the summer heat. In other parts of the country, Sunday is June 6, but we are a little behind the times here, pardners. Heh heh...

Derek "the days are getting longer" Wills (AA5BT, G3NMX)

Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu

Date: Tue, 25 May 1993 02:23:29 GMT
From: swrinde!gatech!darwin.sura.net!knuth.mtsu.edu!raider!theporch!jackatak!
jackhill@network.UCSD.EDU
Subject: Quagi antenna polarization question
To: info-hams@ucsd.edu

ez006683@othello.ucdavis.edu (Daniel D. Todd) writes:

> Guess this is a misunderstanding on my part. I always thought
> that a quagi was a multi-element quad that used yagi spacing and element
> scaling. If this is the case and the parasitics are built so they don't
> have a tuning stub then they would look the same every 90 degrees of
> rotation.

Well, you'd be correct *if* that were a quagi... what you describe, however, is really just a quad antenna with quad-type parasitics which would have no "polarity" of their own. The spacing and element "length" (loop circumference) will impact resonance and feedpoint impedance (full wave director; 105% reflector; and 96% directors should give 288 ohms on "perfect" conditions -- hence the common use of tuning stubs and 4:1 baluns at the feed) as well as gain and front-to-back...but what I believe you have described is still a quad. (See: Orr, "Cubical Quad Antennas" 2nd Edition.)

BTW, a meaningless aside, but I gotta share this in here: about 15 years or so ago, I was mobiling along on HF and answered a "CQ" from a very strong station, W9LZX. On the second over, Clarence says: "Of course, you know I am the inventor of the cubical quad." Well, there was no of course about it...I thought he was full of sh*t (but politeness prevented any rude remarks...and I am glad, for when I got home a few days later, I flipped open Bill Orr's book and whaddaya know? Ol' Clarence DID invent the damned Cubical Quad!!! Coulda knocked me over with a sledgehammer! ;^)

Best "quagi" design I recall was a VE(3?) who built a "Razor" which used a quad driven and reflector elements with regular yagi-uda type parasitic directors. *That* is the configuration I took to be the basis of the question,, and in that configuration, having the parasitic directors aligned with the plane of the driven element's polarity is critical to the workings of the antenna.

> If I ever get a place
> where I have enough room to play I will build some wire antennas and even
> RTFM :^). ^^^^

Geez, Dan. Please do NOT wait until then to PLAY!! ;^) Have fun NOW!
Even in confined areas, wire antennas are fun and they really WANT to
work -- hell even antennas that the books all say won't....WILL!

> what's best if I can only get one of the books right now?
Probably Krause W8JK and his antenna book. You should be able to find
it in the UC-Davis library -- it is big and deep and well worth the
time to wander! Best of Luck... ;^)

73
Jack

```
+-----+
| Jack GF Hill      |Voice: (615) 459-2636 - Bicycling and SCUBA Diving |
| P. O. Box 1685    |Modem: (615) 377-5980 - Compu$erve 76427,31 |
| Brentwood, TN 37024|jackhill@jackatak.raider.net - Ham Call: W4PPT |
+-----+
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Date: 25 May 93 21:06:06 GMT
From: usc!howland.reston.ans.net!noc.near.net!transfer.stratus.com!jjmhome!
schunix!kshus@network.UCSD.EDU
Subject: Radio Shack 70cm HT?
To: info-hams@ucsd.edu

Why can't hams take the responsibility for dealing with illegally licensed operators? I know that hams have limited authority over the problem, but isn't it reasonably easy to tell a bootlegger on the local repeater? When ided, if no one would talk to him or return his call, then the problem is solved. I get very very nervous when people start involving the government in such trivial matters. Who can predict where the government will stop? Look at how they have messed up the firearms issue.

Date: Tue, 25 May 1993 23:52:14 GMT
From: sdd.hp.com!col.hp.com!news.dtc.hp.com!srngenprp!frankb@network.UCSD.EDU

Subject: VHF/UHF antennas
To: info-hams@ucsd.edu

Mike Blackwell (mkb@cs.cmu.edu) wrote:

&

& Second, I'd like to purchase a better antenna for a 2m HT. Something
& that collapses, like a telescoping whip, would be ideal. I'd also like
& the option to come off the radio at 90 degrees, maybe just using a
& right angle BNC adapter (any potential problems here?). Any
& suggestions for an antenna?

MFJ and AES both make collapsing 1/2 wave 2m antennas. They perform the
same (I have both), but the AES has more sections so it folds down a
couple inches smaller-it also costs more: \$24 vs. \$17 (from the last
AES catalog).

Diamond makes a rubber duck dual band antenna that is 15" long and works
better than the standard rubber duck-especially on 70 cm, but nowhere
near as good as a telescoping antenna on 2m. It is the RH-77B for \$30.

& Finally (okay, three questions), MFJ seems to heavily advertise a
& variety of inexpensive antennas and related gear. Any opinions one way
& or another on their products (specifically or in general)?

Some of their stuff is great: the 2m 1/2 wave telescoping antenna, the
standard (not the mini) speaker mike. Other stuff is not so great:
I got one of their 3 element 2 meter beams. I thought it would be
worth the price if it was well made and came apart/went together
quickly. I should have made my own, I had to fabricate a bunch of
mounting hardware anyway. It would mount ok for horz polarization,
but the stock set up was pathetic for vertical mounting. It is
best to get reviews on a product by product basis with MFJ. I
have heard complaints on other products also.

--

Frank Ball 1UR-M frankb@sad.hp.com (707) 794-4168 work,
Hewlett Packard (707) 794-3844 fax, (707) 538-3693 home
1212 Valley House Drive IT175, XT350, Seca 750, '62 F-100, PL510
Rohnert Park CA 94928-4999 KC6WUG, LAW, AMA, Dod #7566, I'm the NRA.

Date: Wed, 26 May 1993 00:33:39 GMT
From: swrinde!cs.utexas.edu!convex!news.utdallas.edu!corpgate!crchh327!crchh7b0!
debaker@network.UCSD.EDU
Subject: VHF/UHF antennas
To: info-hams@ucsd.edu

Mike Blackwell (mkb@cs.cmu.edu) wrote:

>
> Second, I'd like to purchase a better antenna for a 2m HT. Something
> that collapses, like a telescoping whip, would be ideal. I'd also like
> the option to come off the radio at 90 degrees, maybe just using a
> right angle BNC adapter (any potential problems here?). Any
> suggestions for an antenna?

I have used the ANLI 800 antenna (I believe it is the AL-800 to be exact) with my dual band HT, and I believe it is a great antenna. It makes contact possible where using the rubber duck gets you nothing. I think it was reviewed in a recent QST or like magazine. I have seen one page flyers at the local ham shop about them too. It advertises about 3dB gain on 2m and 4.5dB on 440. These numbers are relatively meaningless, but I can tell you that this antenna works! This is probably the best telescopic antenna you can buy (IMHO), but at \$40+ it should be!

73,
KJ5ML

Date: Tue, 25 May 1993 23:15:17 GMT
From: news.service.uci.edu!ttinews!avatar!sorgatz@network.UCSD.EDU
Subject: Want 5MHZ 100W Transceivers for use in Philippines
To: info-hams@ucsd.edu

In article <C7Lot4.8pt@cbnewse.cb.att.com> levy@ihope.ih.att.com writes:
>My apologies in advance if this is the "wrong" place to post this.
>
>I have a friend who is a pastor of a Free Methodist church in the Chicago area
>who is also an amateur radio operator. He has been asked by a group of Free
>Methodist churches in the Philippines to help them set up a communications
>network. They are trying to find a pair of 5MHZ tranceivers (about 100W) to
>be a part of this network. But my friend is having a difficult time trying to
>find such at a reasonable price in the U.S. because this is a forbidden
>frequency range here. Also they are trying to get this equipment before May
>30 (at least showing a bill of sale) to keep from having to start over the
>license application process with the Philippine government.
>
>If you know of such, could you please call up my friend (Rev. David Cooper,
>KA90ZP, Evanston IL [phone 708-328-7182]). Thanks much.
>
>Dan Levy (borrowing a friend's account for this post)
>levy@ihope.ih.att.com

Better check your situation at the door...5MHz as well as 10, 15, 20, 25 and 2.5MHz

all all RESERVED BY INTERNATIONAL AGREEMENT to time standard information stations such as WWV, etc. As for finding equipment to run 100w in the region AROUND 5 MHz, that's easy! Most (if not all!) modern amateur transceivers can be modified to add transmit capability in that part of the spectrum.

Your ahem..'friend' had better be very sure he has the proper station licenses from the Philippine government before going on the air though..those people take a very dim view of unlicensed operations...church or not! As for the US, skip it, the FCC

does not license churches to operate HF links of the nature you're describing.

'73!

-Avatar-> (aka: Erik K. Sorgatz) KB6LUY +-----+
TTI(es@soldev.tti.com)or: sorgatz@avatar.tti.com *Government produces NOTHING!*
3100 Ocean Park Blvd. Santa Monica, CA 90405 +-----+
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)

Date: 25 May 93 05:14:07 EDT
From: swrinde!gatech!howland.reston.ans.net!darwin.sura.net!sgiblab!wetware!
spunky.RedBrick.COM!psinntp!psinntp!arrl.org@network.UCSD.EDU
Subject: weatherfax,computers,printer,software
To: info-hams@ucsd.edu

I've updated my system and need to do some housecleaning.
Reasonable offers considered.

FOR SALE Computer System #1

Tri-Star 80386/20-MHz system

- o 8 Mb RAM installed on motherboard
- o Slot for additional RAM board
- o Math coprocessor installed
- o Two (2) 65-Mb Mitsubishi hard disk drives
- o One (1) 3.5-inch, 1.44-Mb floppy
- o One (1) 5.25-inch 1.2Mb floppy
- o NEC 3D 14-inch SVGA monitor with tilt/swivel stand
- o Boca Super VGA video card with 1 Mb RAM
- o 200-Watt power supply
- o Tower case
- o FK-2001 keyboard
- o Operating/technical manuals

System is in *excellent* condition: \$1300, or best offer.
(See Tri-Star's ads in "PC Magazine.")

Computer System #2

XPC 8088 4.77/8-MHz turbo system

- o Math coprocessor installed
- o Two (2) 360-kb floppy disk drives
- o One (1) 30-Mb hard disk drive
- o BASIC in ROM (use with IBM BASIC/BASICA files)
- o CompuAdd 12-inch mono VGA display (almost new; used little)
- o ATI video card with 512 kb RAM
- o Desktop case
- o 200-Watt, double-fan power supply (not the 65-Watt original)
- o Northgate Omnikey Plus keyboard
- o Operating/technical reference manuals
- o IBM PC-XT technical reference manuals (2):
"Technical Reference Personal Computer XT and Portable
Personal Computer" and Hardware Maintenance Service."

Note:

(I'll sell the two-manual combination separately for \$40.
The System price is then \$40 less (\$360, or best offer).

System is in *excellent* condition: \$400, or best offer

Other Hardware Items available:

Boca SVGAX1 Super VGA card, 1 Mb RAM, 32k colors\$100

Epson LQ-850 printer, like new, very little use \$350
(Printer is supplied with six (6) new ribbons.)

Epson ribbon re-inker.....\$25
(Works *very* well and pays for itself quickly.)

Computer floor stand for vertical mounting\$5

Central Point Copy II Plus board and software, and the
Copy II PC software only version. Both for.....\$40

HP-16C Programmer's Calculator (like new).....\$35

Vanguard WEPIX 2000-B Environmental Satellite Receiver...\$300
(This receiver is brand new, never put to use.)

Vanguard WEFAXTENNA Model APT-2 with low-noise preamp.....\$100
(In very good condition. One (of eight) ground-plane rod

broken. Preamp mounts internally at the antenna -- protected from the elements, or you can remove it for in-station use. BNC connectors on cable make this very easy to do.)

OFS weatherfax board and software.....\$250
(V 2 and 3 software. Can be easily upgraded to add recent circuit changes and V 5 software. See the OFS ads in "Weatherwise," "QST" and other magazines.)

Software available:

Norton Desktop for DOS (unopened).....\$45
Lotus Magellan.....\$25
Microsoft Macro Assembler 5.0.....\$50
IBM Macro Assembler 2.0.....\$50
Gato.....\$15
(Action game with a modern edition of Cornelius van Drebbel's submersible.)
F-15 Strike Eagle.....\$15
(Action game in which you pilot a recent version of the Wright brothers' invention.)
Borland Sprint Word Processor.....(Sold).....\$35

I prefer pick up of the larger items. Otherwise, please add shipping costs. I refund overpayment in excess of \$1.50.

Please provide me with your full address and a daytime phone and/or fax number at which I can reach you.

Thanks.

Paul Pagel/N1FB
American Radio Relay League
225 Main St
Newington, CT 06111 203-666-1541 fax 203-665-7531

End of Info-Hams Digest V93 #641
